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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,697	12/21/2004	Masaki Aoki	28951.2186	8032

53067 7590 09/11/2006

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1330 CONNECTICUT AVE., NW
WASHINGTON, DC 20036

EXAMINER

WILLIAMS, JOSEPH L

ART UNIT	PAPER NUMBER
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2879

DATE MAILED: 09/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/518,697

Applicant(s)

AOKI ET AL.

Examiner

Joseph L. Williams

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>12/21/04; 1/19/05</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 11-003665, of record by Applicant.

Regarding claim 1, JP 11-003665 teaches in paragraphs 46-50 and figure 1, a plasma display panel comprising: a front panel including on a first substrate (11); a first electrode (12); a dielectric glass layer (13) covering the first electrode; and a protective film (14) provided on the dielectric glass layer, made of magnesium oxide (MgO) with oxide added including an element with an electronegativity of 1.4 or higher, and a back panel arranged on a second substrate (21) with: at least a second electrode (22); a barrier rib (24); and a phosphor layer (25), wherein the protective film and the phosphor

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layer are arranged facing each other, and form a discharge space partitioned with a barrier rib between the front panel and the back panel.

Regarding claim 2, JP 11-003665 teaches the oxide is charged negative.

Regarding claim 3, JP 11-003665 teaches the oxide is at least one of titanium oxide (TiO_2), zirconium oxide (ZrO_2), germanium oxide (GeO_2), vanadium oxide (V_2O_5), niobium oxide (Nb_2O_5), tantalum oxide (Ta_2O_5), antimony oxide (Sb_2O_5), chrome oxide (Cr_2O_3), molybdenum oxide (MOO_3), tungsten oxide (WO_3), tin oxide (SnO_2), boron oxide (B_2O_3), silicon oxide (SiO_2), lead oxide (PbO), and manganese oxide (MnO_2).

Regarding claim 4, JP 11-003665 teaches a method for producing a plasma display panel including: a process of forming an electrode on at least a first substrate; a process of forming a dielectric glass layer so as to cover the electrode; a process of forming a protective film so as to cover the dielectric glass layer made of magnesium oxide (MgO) with oxide added including an element with an electronegativity of 1.4 or higher, wherein the process of forming the protective film is one of plasma chemical vapor deposition (CVD) method, sputtering, vacuum evaporation method, or ion plating method.

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Regarding claim 5, JP 11-003665 teaches method for producing a plasma display panel as claimed in claim 4, wherein a process of forming a protective film is plasma chemical vapor deposition method in which an organometallic compound made from magnesium reacts with an organometallic compound made from a metal including oxide including an element with an electronegativity of 1.4 or higher, using oxygen (O₂) and argon (Ar) (see paragraph 0030), in a reactive box with a pressure of 30 Pa to 300 Pa.


Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Williams whose telephone number is (571) 272-2465. The examiner can normally be reached on M-F (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Joseph L. Williams
Primary Examiner
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